## WHE-PAGER PROJECT: BUILDING CONSTRUCTION VULNERABILITY AND INVENTORY

This form is o	divided into 3 parts:	
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Part I:	Contributors' Information
POH I:	Contributors information

Part II: Summary of Construction Types, Vulnerability and Population
Part III: Colleagues Consulted, Additional Sources of Information Used

## **PART I: Contributors' Information**

1. Country or Region (if you are only responding for part of a country, please indicate which geographic region. Note: the WHE strongly prefers national estimates, unless you have data that clearly apply to only one region):

Pakistan

2. Name(s) of Contributors

Dr. Qaisar Ali

3. Affiliation (Organization)

EQ Engineering Center NWFP University of Engineering & Technology Peshawar Pakistan

Peshawar Pakistan

4. Mailing address (include city and country)

5. E-mail

drqaisarali@nwfpuet.edu.pk

6. Your self-rating of expertise or confidence: On a scale of 1=low and 5=high, please estimate your level of expertise:

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## Part II: Summary of Construction Types, Vulnerability and Population

	Construction Material		Probability of subjected to t			type when	Fraction of population LIVES in building	n who this	Fraction population WORKS building	on who in this	Peak average # of occupants per building
	(choose from drop-down list)	Construction Subtype (Choose from drop-down listrefer to instructions to see complete list)	IX (~0.65-1.24g)	VIII (~0.34- 0.65g)	VII (~0.18-0.34g)	(~0.092- .18g)	urban	rural	urban	rural	
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18											

Masonry   Earthen walls (3)	Assonry   Stone Masonry walls (1)   100%   70%   10%   10%   7.12	Stone Masonry   Stone Masonry walls (1)   100%   70%   19%   10%   7.12									
Masonry   Stone Masonry walls (1)   100%   70%   10%   10%   7.12	Masonry   Stone Masonry walls (1)   100%   70%   10%   10%   7.12	Stone Masonry   Stone Masonry walls (1)   100%   70%   19%   10%   7.12	or other co	mbinations use blank fields below:							
Masonry         Earthen walls (3)         100%         80%         1%         28%         7-12           Masonry         Clay brick masonry walls (9)         100%         80%         20%         1%         28%         7-12           Masonry         Clay brick masonry walls (9)         100%         80%         20%         1%         25%         6%         5-8           Masonry         Clay/Concrete (10)         90%         40%         15%         5%         25%         6%         5-8           Masonry         Concrete block masonry (11)         100%         80%         20%         10%         2%         5-8           Masonry         Concrete block masonry (11)         100%         70%         20%         5%         1%         0%         5-8           Masonry         Concrete block masonry (12)         100%         70%         20%         5%         1%         0%         5-8           Structural         RC frame structure with masonry infill walls designed for gravity         100%         50%         10%         3%         0%         5-8           Wood         Load bearing timber frame (31)         100%         70%         20%         0%         1%         7-12           Name <td>Masonry         Earthen walls (3)         100%         80%         1%         28%         7-12           Masonry         Clay brick masonry walls (9)         100%         80%         20%         1%         28%         7-12           Masonry         Clay brick masonry walls (9)         100%         80%         20%         1%         25%         6%         5-8           Masonry         Clay/Concrete (10)         90%         40%         15%         5%         25%         6%         5-8           Masonry         Concrete block masonry (11)         100%         80%         20%         10%         2%         5-8           Masonry         Concrete block masonry (11)         100%         70%         20%         5%         1%         0%         5-8           Masonry         Concrete block masonry (12)         100%         70%         20%         5%         1%         0%         5-8           Structural         RC frame structure with masonry infill walls designed for gravity         100%         50%         10%         3%         0%         5-8           Wood         Load bearing timber frame (31)         100%         70%         20%         0%         1%         7-12           Name<td>  Masonry   Earthen walls (3)   100%   80%   1%   28%   7.12    </td><td></td><td></td><td>_</td><td></td><td></td><td></td><td></td><td></td><td> </td></td>	Masonry         Earthen walls (3)         100%         80%         1%         28%         7-12           Masonry         Clay brick masonry walls (9)         100%         80%         20%         1%         28%         7-12           Masonry         Clay brick masonry walls (9)         100%         80%         20%         1%         25%         6%         5-8           Masonry         Clay/Concrete (10)         90%         40%         15%         5%         25%         6%         5-8           Masonry         Concrete block masonry (11)         100%         80%         20%         10%         2%         5-8           Masonry         Concrete block masonry (11)         100%         70%         20%         5%         1%         0%         5-8           Masonry         Concrete block masonry (12)         100%         70%         20%         5%         1%         0%         5-8           Structural         RC frame structure with masonry infill walls designed for gravity         100%         50%         10%         3%         0%         5-8           Wood         Load bearing timber frame (31)         100%         70%         20%         0%         1%         7-12           Name <td>  Masonry   Earthen walls (3)   100%   80%   1%   28%   7.12    </td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td> </td>	Masonry   Earthen walls (3)   100%   80%   1%   28%   7.12			_						 
Masonry   Clay brick masonry walls (7)	Masonry   Clay brick masonry walls (7)   100%   80%   30%   1%   10%   7-12   Masonry   Clay brick masonry walls (9)   100%   60%   20%   5%   25%   6%   5-8   Masonry   Clay brick masonry walls (9)   90%   40%   15%   5%   25%   6%   5-8   Masonry   Concrete 100   90%   40%   15%   5%   22%   60%   5-8   Masonry   Concrete block masonry (11)   100%   80%   20%   10%   20%   5-8   Masonry   Concrete block masonry (12)   100%   70%   20%   5%   10%   0%   5-8   Masonry   Concrete block masonry (12)   100%   70%   20%   5%   10%   0%   5-8   Masonry   Concrete block masonry infill walls designed for gravity   100%   50%   10%   3%   0%   5-8   Masonry   Concrete block masonry infill walls designed for gravity   100%   50%   10%   3%   0%   5-8   Masonry   100%   50%   10%   3%   0%   10%   10%   7-12   Masonry   100%   70%   20%   0%   10%   7-12   Masonry   100%   70%   10%   70%   10%   70%   10%   70%   10%   7-12   Masonry   10%   7-12   Masonry   100%   70%   10%   70%   10%   70%   10%   7-12   Masonry   10%   10%   70%   10%	Masonry   Clay brick masonry walls (7)   100%   80%   30%   1%   10%   7.12	-								
Masonry   Clay brick masonry walls (9)   100%   60%   20%   55%   25%   65%   5.8   Masonry   Clay/Concrete (10)   90%   40%   15%   55%   22%   0.55%   5.8   Masonry   Concrete block masonry (11)   100%   80%   20%   10%   25%   5.8   Masonry   Concrete block masonry (12)   100%   70%   20%   55%   11%   05%   5.8   Masonry   Concrete block masonry infill walls designed for gravity   100%   70%   20%   55%   11%   05%   5.8   Masonry   Concrete block masonry infill walls designed for gravity   100%   70%   20%   50%   10%   33%   00%   5.8   Masonry   Concrete   (14, 16)   100%   70%   20%   70%   10%   33%   00%   5.8   Masonry   Concrete   (14, 16)   100%   70%   20%   70%   10%   30%   00%   5.8   Masonry   Concrete   (14, 16)   100%   70%   20%   70%   10%   7.12   Masonry   Concrete   (15, 16)   10%   1	Masonry   Clay brick masonry walls (9)	Masonry   Clay brick masonry walls (9)   100%   60%   20%   5%   25%   60%   5.8	,								
Masonry         Clay/Concrete (10)         90% 40% 15% 5% 2% 0.5% 5% 2% 0.5% 5.8           Masonry         Concrete block masonry (11)         100% 80% 20% 10% 22% 5.8           Masonry         Concrete block masonry (12)         100% 70% 20% 5% 1% 0% 0% 5.8           Structural         RC frame structure with masonry infill walls designed for gravity concrete (14, 16)         100% 5.0% 10% 3% 0% 5.8           Wood         Load bearing timber frame (31)         100% 70% 20% 0% 10% 3% 0% 5.8    Part III: Colleagues Consulted, Additional Sources of Information Used  Name  Affiliation  Mailing address e-mail  Name  Affiliation  Molling address e-mail	Masonry   Clay/Concrete (10)   90%   40%   15%   5%   2%   0.5%   5-8   Masonry   Concrete block masonry (11)   100%   80%   20%   10%   20%   5-8   5-8   Masonry   Concrete block masonry (12)   100%   70%   20%   5%   1%   0%   5-8   5-8   Structural   RC frame structure with masonry infill walls designed for gravity   100%   50%   10%   3%   0%   5-8   Structural   RC frame structure with masonry infill walls designed for gravity   100%   50%   10%   3%   0%   5-8   Structural   RC frame structure with masonry infill walls designed for gravity   100%   50%   10%   3%   0%   5-8   Structural   RC frame structure with masonry infill walls designed for gravity   100%   50%   10%   3%   0%   5-8   Structural   RC frame structure with masonry infill walls designed for gravity   100%   50%   10%   3%   0%   5-8   Structural   RC frame structure with masonry infill walls designed for gravity   100%   50%   10%   3%   0%   5-8   Structural   RC frame structure with masonry infill walls designed for gravity   100%   50%   10%   3%   0%   5-8   Structural   RC frame structure with masonry infill walls designed for gravity   100%   50%   10%   3%   0%   5-8   Structural   RC frame structure with masonry infill walls designed for gravity   100%   50%   10%   3%   0%   5-8   Structural   RC frame structure with masonry infill walls designed for gravity   100%   70%   20%   10%   3%   0%   5-8   Structural   RC frame structure with masonry infill walls designed for gravity   100%   70%   20%   10%   3%   0%   5-8   Structural   RC frame structure with masonry infill walls designed for gravity   100%   70%   20%   10%   3%   0%   5-8   Structural   100%   70%   20%   1	Masonry Clay/Concrete (10)  Masonry Concrete block masonry (11)  Masonry Concrete block masonry (12)  Item (14, 16)  Wood Load bearing timber frame (31)  Part III: Colleagues Consulted, Additional Sources of Information Used  Name Affiliation Moiling address e-mail  Name Affiliation Moiling address e-mail  Sources of information you used (websites, publications, etc.) Please provide as much detail as possible.									
Masonry Concrete block masonry (11)	Masonry Concrete block masonry (11)	Masonry Concrete block masonry (11) 100% 80% 20% 10% 2% 5-8  Masonry Concrete block masonry (12) 100% 70% 20% 5% 12% 0% 5-8  Structural RC frame structure with masonry infill walls designed for gravity concrete (14, 16) 100% 50% 100% 50% 10% 3% 0% 5-8  Wood Load bearing timber frame (31) 100% 70% 20% 0% 10% 3% 0% 5-8  Part III: Colleagues Consulted, Additional Sources of Information Used  Name Afficiation Moiling address e-mail									
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Concrete   (14, 16)   100%   50%   10%   3%   0%   5-8	Concrete   (14, 16)   100%   50%   10%   3%   0%   5.8     Wood   Load bearing timber frame (31)   100%   70%   20%   0%   1%   7-12     Part III: Colleagues Consulted, Additional Sources of Information Used	concrete (14, 16) 100% 50% 10% 30% 0% 5.8 Wood Load bearing timber frame (31) 100% 70% 20% 0% 1% 17.12  Part III: Colleagues Consulted, Additional Sources of Information Used  Name Afficiation Mailing address e-mail 100% 100% 100% 100% 100% 100% 100% 100			100%	70%	20%	5%	1%	0%	5-8
Mood   Load bearing timber frame (31)   100%   70%   20%   0%   1%   7-12	Variable	Part III: Colleagues Consulted, Additional Sources of Information Used  Name Affiliation Mailing address e-mail  Name Affiliation Mailing address e-mail  S Name Affiliation Mailing address e-mail									
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Sources of information you used (websites, publications, etc.) Please provide as much detail as possible.		5 Additional comments	Affiliation Mailing address e-mail	nformation you used (websites, publications, etc.) Please provide as mu	ch detail c	ıs possi	ole.				
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